SIMPLE, EASY

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1x12 HDMI Distribution Amplifier v1.3

AT-HD-V112

User Manual

TABLE OF CONTENTS

1. Introduction 1
2. Features 1
3. Operation Controls and Functions 2
    3.1 Front Panel 2
    3.2 Rear Panel 2
4. Connection and Installation 3
5. Specifications 3
11. Safety 4
12. Warranty 5

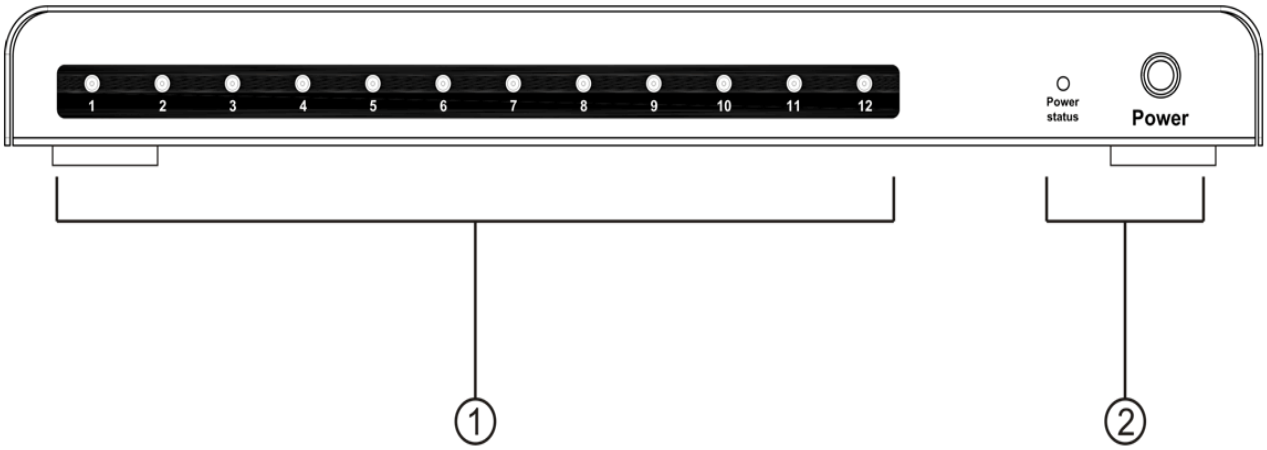
Introduction

The HDMI v1.3 Distribution Amplifier Series is the most advanced solution to HDMI signal distribution. Each product in this series is compatible to HDMI v1.3 specifications, a cutting-age technology which defines the support to transfer Deep Color (10-bit and 12-bit) video and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio, with a high bandwidth up to 10.2Gbps. Besides splitting and distributing, the HDMI v1.3 DA series also does signal amplification and equalization, so as to provide high performance I/O of audio and video.

Features

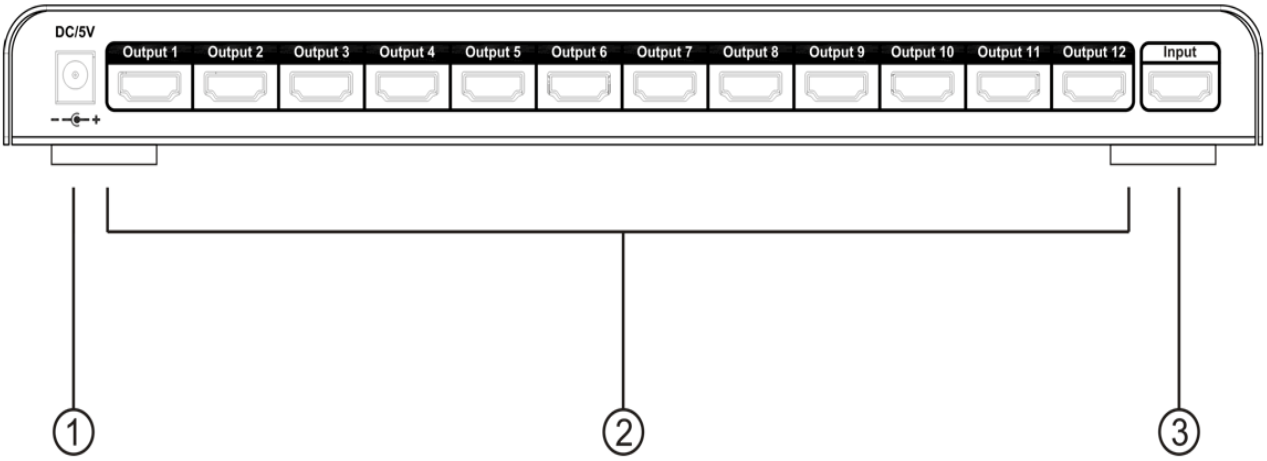
- HDMI 1.3, HDCP1.1 and DVI1.0 compliant Receiver.
- Deep color video up to 12bit, 1080p@(24/60)Hz 1920x1200.
- One HDMI source to connect up to 12 HDMI displays simultaneously.
- HDCP keysets allows each output to work independently when connecting to a HDMI display.
- Splits a HDMI source up to 12 outputs without signal loss.
- Supports DVI source and DVI display by using HDMI to/from DVI adaptor cable.
- Dolby Digital, DTS digital audio transmission (32-192 kHz Fs sample rate).
- Supports a wide range of PC and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- HDMI cable distance test with 1080p/8bits resolution, the Input/Output source can run up to 15/15 meters. If 1080p/12bits, the Input/Output source can run up to 10/15 meters.
- Supports EDID functionality. The unit will detect the first HDMI/DVI output source's EDID and record in the unit. If the first detected output source is empty it will pass to next source, until the first HDMI/DVI has been detected. When user reconnect`s all the output sources or re- plug`s the power, the system will automatically recover the EDID.

FRONT PANEL



1. Indicator of HDMI output. When an HDMI equipment is connected, the corresponding LED lit.
2. Power Button. When power on,the Power status LED lit.

REAR PANEL



1. Power input.
2. HDMI output ports
3. HDMI input port.

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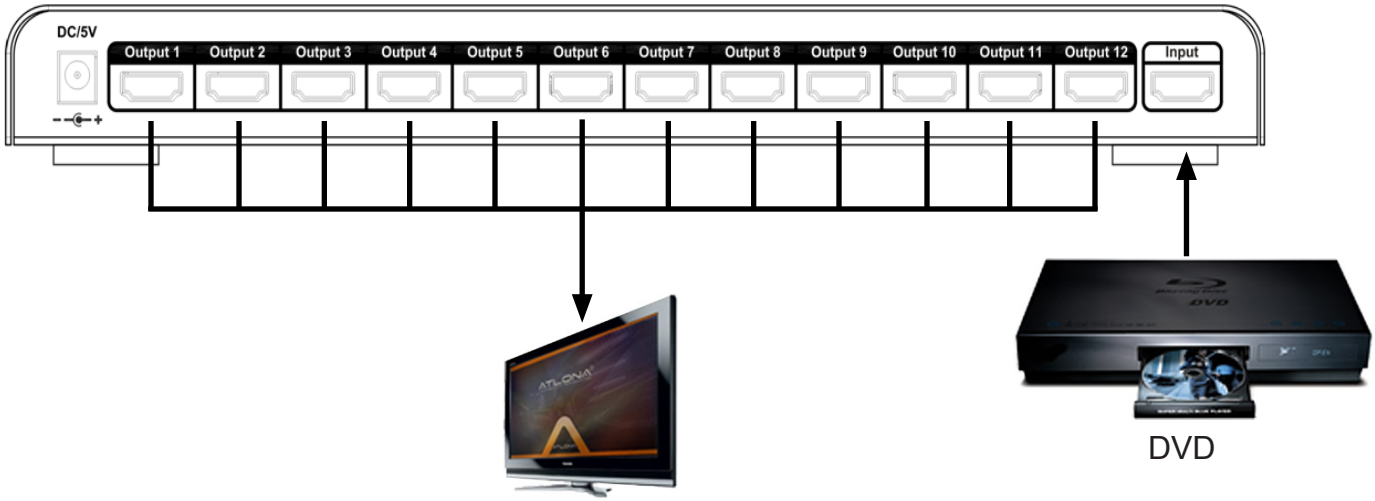
Connection and Installation



Monitors
up to 12

DVD

Specifications

Operating temperature range	.....	-5 to +35°C(-41 to +95°C)
Operating humidity range	.....	5 to 90 % RH (no condensation)
Video Amplifier Bandwidth	.....	140mHz
Input Video Signal	.....	0.5-1.0 volts p-p
Input DDC Signal	.....	5 volts p-p (TTL)
Maximum Single Link Range	.....	1080P
Video format supported:		
VGA :		640x480,800x600,1024x768,1280x1024, 1920x1200
DTV/HDTV:		480i/576i/480p/576p/720p/1080i/1080P
Output Video	.....	HDMI
Vertical Frequency Range:	.....	60Hz
Power Consumption	.....	15 Watts (max.)
Power Supply	.....	5VDC
Dimensions	.....	322mmW x 31mmH x 160mmD
Mass	.....	1.5 Kgs

Note: Specifications are subject to change without notice. Mass and dimensions are approximate.

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Safeguards

- To reduce the risk of electric shock, do not expose this product to rain or moisture.
- If the wall plug does not fit into your local power socket, hire an electrician to replace your obsolete socket.
- Do not modify the wall plug.
  Doing so will void the warranty and safety features.
- This equipment should be installed near the socket outlet and the device should be easily accessible in case it requires disconnection.

Precautions

- FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.
- Operate this product using only the included external power supply. Use of other power supplies could impair performance, damage the product or cause fires.
- In the event of an electrostatic discharge, this device may automatically turn off. If this occurs, unplug the device, and plug it back in.
- Protect and route power cords so they will not be stepped on or pinched by anything placed on or against them. Be especially careful of plug-ins, or cord exit points from this product.
- Avoid excessive humidity, sudden temperature changes or temperature extremes.
- Keep this product away from wet locations such as bathtubs, sinks, laundries, wet basements and swimming pools.
- Use only accessories recommended by ATLONA to avoid fire, shock or other hazards.
- Unplug the product before cleaning. Use a damp cloth for cleaning. Do not use cleaning fluid or aerosols, which could enter the unit and cause damage, fire or electrical shock. Some substances may also mar the finish of the product.
- Never open or remove unit panels or make any adjustments not described in this manual. Attempting to do so could expose you to dangerous electrical shock or other hazards. It may also cause damage to your AT-HD-V112. Opening the product will void the warranty.
- Do not attempt to service the unit. Instead disconnect it and contact your Authorized ATLONA reseller or contact ATLONA directly.

LIMITED ONE-YEAR WARRANTY
ATLONA by Lenexpo Electronics warrants only to the initial purchaser of this product for a period of one year from the date of purchase from an Authorized ATLONA Reseller, the product will be free of electrical and mechanical defects that materially affect the products operation as described in this users manual. Within this period, ATLONA will, at it's sole option, repair or replace any components, which fail of normal use or refund the net original price.

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